

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Michael D. ELLIS et al.

Confirmation No.: 8278

Application No.: 10/645,928

Patent No.: 7,171,174 B2

Filing Date: August 20, 2003

Patent Date: January 30, 2007

For: MULTIPLE RADIO SIGNAL PROCESSING
AND STORING METHOD AND
APPARATUS

Attorney Docket No.: 81788-4200

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.322

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Patentees hereby respectfully request the issuance of a Certificate of Correction in connection with the above-identified patent. The corrections are listed on the attached Form PTO-1050. The corrections requested are as follows:

Column 37, line 25 (claim 22, line 6), after “receiving a separate unrelated radio”, insert -- program --. Support for this change appears in the Examiner’s Amendment attached to the Notice of Allowability.

Column 38, line 54 (claim 29, line 4), change “continuously-receiving” to -- continuously receiving --. Support for this change appears in amended application claim 55.

Column 39, line 29 (claim 37, line 5), delete “signal”. Support for this change appears in amended application claim 63.

Column 39, line 53 (claim 44, line 9), after “of every unrelated radio”, insert -- program --. Support for this change appears in the Examiner’s Amendment attached to the Notice of Allowability.

The requested corrections are for errors that appear to have been made by the Office. Therefore, no fee is believed to be due for this request. Should any fees be required, however, please charge such fees to Winston & Strawn LLP Deposit Account No. 50-1814. Please issue a Certificate of Correction in due course.

Respectfully submitted,

8/11/07
Date


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212-294-2603

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO.: 7,171,174 B2
APPLICATION NO.: 10/645,928
DATED: January 30, 2007
INVENTOR(S): Ellis et al.

Page 1 of 1

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 37:

Line 25 (claim 22, line 6), after "receiving a separate unrelated radio", insert -- program --.

Column 38:

Line 54 (claim 29, line 4), change "continuously-receiving" to -- continuously receiving --.

Column 39:

Line 29 (claim 37, line 5), delete "signal".

Line 53 (claim 44, line 9), after "of every unrelated radio", insert -- program --.

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16. The apparatus of claim 12 further comprising a use history tracking means functioning to track a use of the apparatus.

17. The apparatus of claim 12, wherein the communication module further comprises a control module programmable selection scheme parameter receiver.

18. The apparatus of claim 12, wherein the communication module further comprises a database receiver, the control module further comprises a user preference scheme means functioning to provide the user with an output based on the user's preference scheme.

19. The apparatus of claim 1 further comprising a signal conditioning module means functioning to separate a vocal portion from an instrumental portion of the radio signal.

20. The apparatus of claim 1 wherein the apparatus is mobile.

21. The apparatus of claim 1 wherein the one of the separate unrelated radio signals is user selected for reception using the control module.

22. An apparatus configured for radio programming that processes multiple radio signals simultaneously, said apparatus comprising:

(a) a radio receiver module having at least two radio receivers, each receiver configured for continuously receiving a separate unrelated radio signal;

(b) a storage module configured to simultaneously store in a buffer at least an audio portion of every radio signal received by the two radio receivers for later output by selection of a user; and

(c) a user input module for storing a table of user listening preferences.

23. An apparatus configured for radio programming that processes multiple radio signals simultaneously, said apparatus comprising:

(a) a radio receiver module having at least two radio receivers, each receiver configured for continuously receiving a separate unrelated radio program signal;

(b) a storage module configured to simultaneously store in a buffer at least an audio portion of every radio signal received by the two radio receivers for later output by selection of a user; and

(c) a recognition module having a set of stored audio signatures to recognize an incoming radio signal.

24. An apparatus configured for radio programming that processes multiple radio signals simultaneously, said apparatus comprising:

(a) a radio receiver module having at least two radio receivers, each receiver configured for receiving a separate radio signal.

(b) a storage module configured to simultaneously store a portion of at least an audio portion of every radio signal received by the two radio receivers; and

(c) a communication module;

wherein the communication module comprises a telephone signal receiver, an output signal override device and an audio output device, wherein said output from said storage module is an audio output sent to the audio output device, and the override device replaces the audio output with the telephone signal.

25. An apparatus configured for radio programming that processes multiple radio signals simultaneously, said apparatus comprising:

(a) a radio receiver module having at least two radio receivers, each receiver configured for continuously receiving a separate unrelated radio program signal;

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(b) a storage module configured to simultaneously store in a buffer at least an audio portion of every radio signal received by the two radio receivers for later output by selection of user; and

(c) a communication module;

wherein the communication module further comprises a message receiver means functioning to receive a personal message addressed to a user.

26. An apparatus configured for radio programming that processes multiple radio signals simultaneously, said apparatus comprising:

(a) a radio receiver module having at least two radio receivers, each receiver configured for continuously receiving a separate unrelated radio program signal;

(b) a storage module configured to simultaneously store in a buffer at least an audio portion of every radio signal received by the two radio receivers for later output by selection of user; and

(c) a communication module;

wherein the communication module further comprises a message transmission means functioning to send a message.

27. An apparatus configured for radio programming that processes multiple radio signals simultaneously, said apparatus comprising:

(a) a radio receiver module having at least two radio receivers, each receiver configured for receiving a separate radio signal;

(b) a storage module configured to simultaneously store at least an audio portion of every radio signal received by the two radio receivers; and

(c) a communication module;

said communication module further comprising a use history tracking means functioning to track a use of the apparatus.

28. An apparatus configured for radio programming that processes multiple radio signals simultaneously, said apparatus comprising:

(a) a radio receiver module having at least two radio receivers, each receiver configured for continuously receiving a separate unrelated radio program signal;

(b) a storage module configured to simultaneously store in a buffer at least an audio portion of every radio signal received by the two radio receivers for later output by selection of a user; and

(c) a communication module;

wherein the communication module further comprises a database receiver, the control module further comprises a user preference scheme means functioning to provide the user with an output.

29. A method configured for radio programming that processes multiple radio signals simultaneously, said method comprising:

continuously-receiving at least two unrelated radio program signals by at least two receivers of a radio receiver module;

simultaneously storing in a buffer at least an audio portion of every unrelated radio signal received by the two radio receivers for later output by selection of a user; controlling a programmable selection scheme to control functions including received radio signals, stored radio signals and portions thereof, and an output of the stored radio signals and portions thereof; and

selecting a stored radio signal from the buffer in the storage module for the output.

30. The method of claim 29 further comprising signaling a storage device with the output.

program

continuously receiving

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31. The method of claim 29 further comprising signaling a sound generating device with the output.

32. The method of claim 29 further comprising conditioning a signal to separate a vocal portion from an instrumental portion of the radio signal.

33. The method of claim 29 wherein the controlling further comprises controlling a user selectable output of a previously stored portion of radio signal.

34. The method of claim 29 wherein the controlling further comprises selecting received radio signals based on a sequential scan of available radio signals, storing each scanned radio signal in a buffer of the storage module up to a buffer limit, and simultaneously outputting a selected radio signal.

35. The method of claim 29 further comprising:
storing a table of user listening preferences;
recognizing an imbedded code in a received radio signal;
deriving user listening preference identifiers from the imbedded code; and
enabling an output based on the user listening preferences identifiers.

36. The method of claim 29 further comprising recognizing an incoming radio signal from a set of stored audio signatures.

37. The method of claim 29 further comprising performing a function selected from the group consisting of downloading audio content, receiving a control module programmable selection scheme parameter, and receiving a database signature.

38. The method of claim 29 wherein the functions further include sending a personal message addressed to a user.

39. The method of claim 29 wherein the the functions further include receiving a personal message addressed to a user.

40. The method of claim 29 wherein the functions further include sending the output to a telephone signal.

41. The method of claim 29 wherein the functions further include performing a function comprising reporting usage data.

42. The method of claim 29 wherein the receiving is performed in a mobile device.

43. The method of claim 29 wherein the receiving comprises receiving a user-selected one of the separate unrelated radio signals.

44. A computer readable medium having instructions thereon for performing steps configured for radio programming for processing multiple radio signals simultaneously, the steps comprising:

continuously receiving at least two unrelated radio program signals by at least two receivers of a radio receiver module;

simultaneously storing in a buffer at least an audio portion of every unrelated radio signal received by the two radio receivers for later output by selection of a user;

controlling a programmable selection scheme to control functions including received radio signals, stored radio

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signals and portions thereof, and an output of the stored radio signals and portions thereof; and
selecting a stored radio signal from the buffer in the storage module for the output.

45. The computer readable medium of claim 44 further comprising the step of signaling a storage device with the output.

46. The computer readable medium of claim 44 further comprising the step of signaling a sound generating device with the output.

47. The computer readable medium of claim 44 further comprising the step of conditioning a signal to separate a vocal portion from an instrumental portion of the radio signal.

48. The computer readable medium of claim 44 wherein the controlling further comprises controlling a user selectable output of a previously stored portion of a radio signal.

49. The computer readable medium of claim 44 wherein the controlling further comprises selecting received radio signals based on a sequential scan of available radio signals, storing each scanned radio signal in a buffer of the storage module up to a buffer limit, and simultaneously outputting a selected radio signal.

50. The computer readable medium of claim 44 further comprising the steps of:

storing a table of user listening preferences;
recognizing an imbedded code in a received radio signal;
deriving user listening preference identifiers from the imbedded code; and
enabling an output based on the user listening preferences identifiers.

51. The computer readable medium of claim 44 further comprising the step of recognizing an incoming radio signal from a set of stored audio signatures.

52. The computer readable medium of claim 44 further comprising the step of performing a function selected from the group consisting of downloading audio content, receiving a control module programmable selection scheme parameter, and receiving a database.

53. The computer readable medium of claim 44 further comprising the step of performing a function comprising sending a personal message addressed to a user.

54. The computer readable medium of claim 44 wherein the functions include receiving a personal message addressed to a user.

55. The computer readable medium of claim 44 wherein the functions include sending the output to a telephone signal.

56. The computer readable medium of claim 44 wherein the functions include reporting usage data.

57. The computer readable medium of claim 44 wherein the receiving comprises receiving a user-selected one of the separate unrelated radio signals.

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program